

## **ABSTRACT OF THE DISCLOSURE**

An apparatus for and method of efficiently accessing shared JavaScript objects within a multi-user environment by reducing the overhead required to maintain object/database property synchronization. A version is associated with each object to indicate whether any particular requested access is associated with the most current properties of the object. Each user has a version list which indicates whether any particular object properties need be updated before access. The version list is maintained in faster and more available memory than the actual object to enhance efficiency.